

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730814

Luminaire Tested: **HBLED-LD5-30HE-N-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-N-CLI-UNV-L735
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28493.0 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

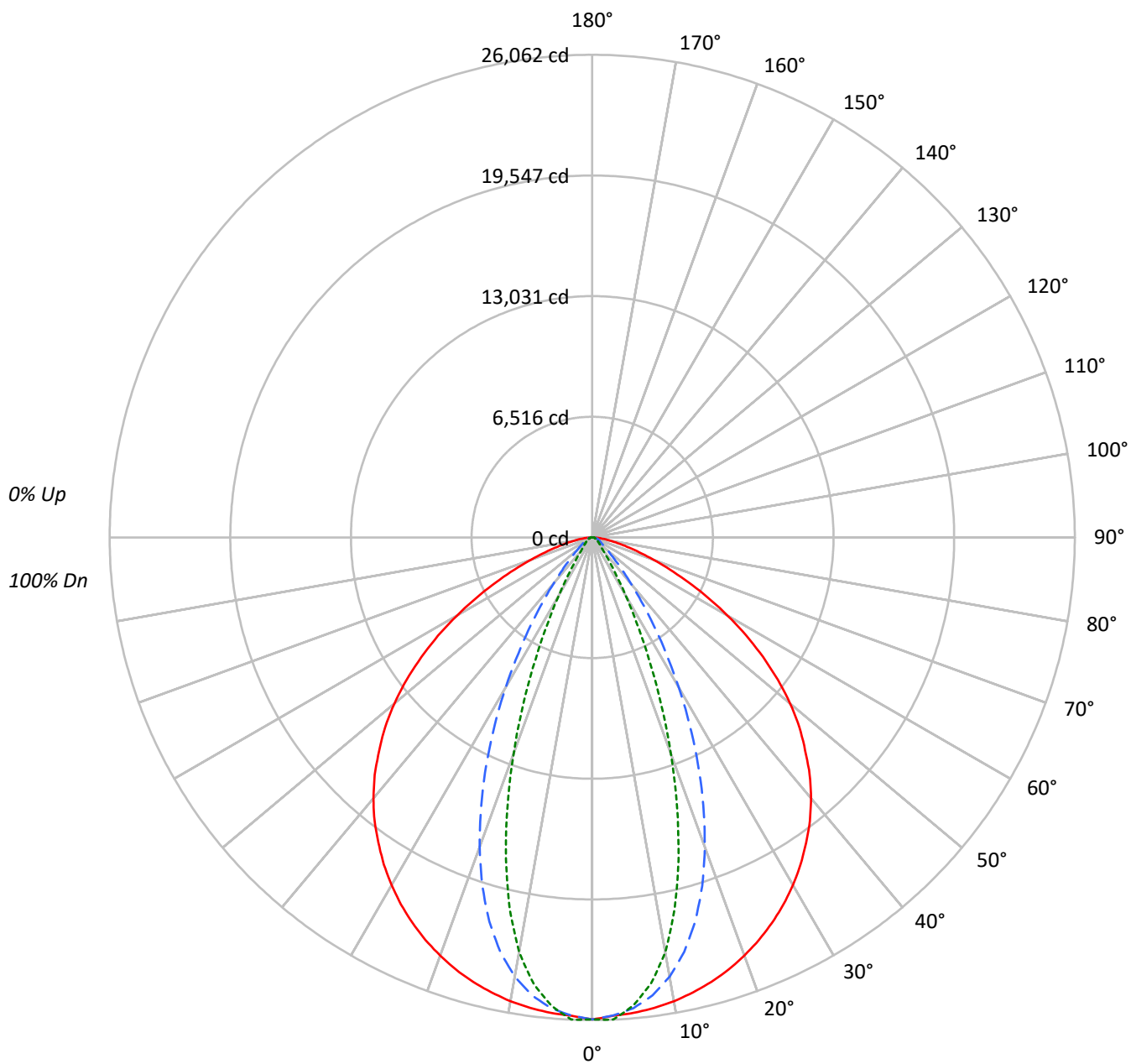
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	55		
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42022	42022	42022
5°	41769	41353	41136
10°	41699	39481	37256
15°	41531	35888	30088
20°	41282	30537	21325
25°	40913	24079	12885
30°	40416	17379	6622
35°	39686	11362	3307
40°	38745	6825	1930
45°	37135	4075	1443
50°	35025	2665	1212
55°	31700	2022	1057
60°	27241	1722	965
65°	21912	1571	911
70°	16508	1683	906
75°	12143	1599	932
80°	8883	1593	1020
85°	6654	1932	1319



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2396.9	8.4
10°-20°	5962.9	20.9
20°-30°	6604.8	23.2
30°-40°	5291.6	18.6
40°-50°	3777.6	13.3
50°-60°	2426.4	8.5
60°-70°	1314.9	4.6
70°-80°	562.0	2.0
80°-90°	155.9	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14964.6	52.5
0°-40°	20256.3	71.1
0°-60°	26460.2	92.9
0°-90°	28493.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28493.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26026	26026	26026	26026	26026	
5°	25771	25867	25515	25434	25381	###
15°	24846	24069	21470	18974	18000	7010
25°	22965	20250	13516	8806	7232	10580
35°	20135	14564	5764	2325	1678	12589
45°	16263	8407	1785	760	632	12536
55°	11261	3759	718	441	376	10036
65°	5736	1544	411	284	238	5744
75°	1946	565	256	178	149	2163
85°	359	149	104	86	71	439
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26026.2	26026.2	26026.2	26026.2	26026.2
2.5°	25854.9	26016.7	25842.5	25950.8	26061.9
5°	25771.3	25867.3	25514.9	25434.0	25380.7
7.5°	25626.0	25598.6	24936.6	24507.4	24300.4
10°	25434.0	25212.0	24081.0	23138.0	22724.0
12.5°	25159.9	24702.1	22922.7	21266.8	20565.0
15°	24846.0	24068.8	21469.7	18973.5	18000.2
17.5°	24470.4	23328.5	19732.8	16514.3	15229.8
20°	24026.3	22434.8	17772.6	13901.4	12411.3
22.5°	23530.1	21403.9	15673.9	11296.8	9698.6
25°	22965.3	20249.6	13516.3	8806.2	7232.4
27.5°	22355.3	18968.0	11371.0	6579.9	5144.6
30°	21678.0	17580.7	9321.5	4744.5	3551.8
32.5°	20939.2	16105.7	7417.6	3336.5	2429.1
35°	20134.6	14563.6	5764.2	2324.9	1677.9
37.5°	19310.6	12989.8	4353.7	1643.5	1203.6
40°	18382.6	11421.6	3237.9	1203.6	915.6
42.5°	17386.1	9883.6	2396.2	926.6	741.6
45°	16263.4	8407.2	1784.8	759.5	632.0
47.5°	15175.0	7031.0	1355.7	647.0	549.7
50°	13944.0	5789.0	1061.0	564.8	482.5
52.5°	12637.6	4696.4	860.8	497.6	424.9
55°	11261.2	3758.7	718.2	441.4	375.6
57.5°	9867.1	2977.3	614.1	393.4	334.5
60°	8436.0	2381.1	533.2	352.3	298.8
62.5°	7039.2	1904.1	466.0	316.7	267.3
65°	5735.5	1543.5	411.2	283.8	238.5
67.5°	4530.5	1220.0	383.8	254.9	215.3
70°	3496.9	950.0	356.5	227.5	191.9
72.5°	2649.7	729.3	315.4	202.9	170.0
75°	1946.5	564.8	256.4	178.2	149.4
77.5°	1392.8	434.6	208.4	154.9	128.9
80°	955.4	323.6	171.3	132.9	109.7
82.5°	621.0	229.0	138.4	109.7	90.4
85°	359.2	149.4	104.3	86.4	71.2
87.5°	154.9	82.2	71.2	64.5	54.8
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)